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ones about 4 inches long, gradually shorter above, the lower third naked, the branchlets short (mostly less than one-half inch), numerous, loosely few-flowered, somewhat recurved.

Spikelets purplish, less than a line long; the outer glumes unequal, acute, the lower one one-third shorter than the upper, which is a little shorter than the flower and scabrous on the keel; flowering-glume lanceolate, acute, smooth, except on the keel near the apex; palea nearly equalling its glume.

This is a well marked species, having somewhat the general appearance of *Leptochloa mucronata*, with a more graceful panicle. It grows in Texas, and was discovered by Dr. S. B. Buckley, after whom it is named.

## Contributions toward a List of the State and Local Floras of the United States

### THE WESTERN STATES.\*

#### INDIANA.

The Trees of Indiana. By Thomas B. Elliott. (D.)

In Trans. Indianapolis Acad. Sci. 1872.

Catalogue of the phænogamous and vascular cryptogamous Plants of Indiana. By J. M. and M. S. Coulter and C. R. Barnes. (B). 8vo, pamph., pp. 38. Crawfordsville, 1881.

Catalogue of the Flora of Central-Eastern Indiana (alpine or elevated district of the State). By A. J. Phinney, M.D. (B.)

In 12th Report of the State Geologist. Indianapolis, 1883.

(Embraces the Counties of Delaware, Randolph, Jay and Wayne).

#### *Jefferson County.*

Manual of the Botany of Jefferson County. By A. H. Young. (B.)

In 2nd Ann. Rep. Geol. Survey. Indianapolis, 1871.

Partial List of the Flora of Jefferson County. By John M. Coulter. (B.)

In 6th Ann. Rep. Geol. Survey. Indianapolis, 1875.

Catalogue of phænogamous and vascular cryptogamous Plants found growing wild in Jefferson County. By Charles R. Barnes. (A.)

To which is added:

#### *Clark County.*

A List of Plants growing in Clark County, but not found in Jefferson. By John T. Baird. (A.)

8vo, pamphlet, pp. 9. Madison, 1878.

#### *Gibson and Posey Counties.*

Flora of the Lower Wabash Valley, below the mouth of the White River. By J. Schneek, M.D. (B.)†

In 7th Ann. Rep. Geol. Survey. Indianapolis, 1876.

(Additions by the author in Botanical Gazette, Vol. ii., 1877.)

#### *Wayne County.*

List of Ferns, Mosses, Hepaticæ and Lichens collected in Wayne County. By Mrs. Mary P. Haines. (A.)

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\* Continued from page 105.

† Also gives localities in one or two Illinois counties.

In 8th, 9th and 10th Ann. Reps. Geol. Survey, p. 235. Indianapolis, 1879.

## ILLINOIS.

Contributions towards the Botany of the States of Illinois and Missouri. By L. C. Beck, M. D. (D.)

In Amer. Journ. Sci. and Arts, i series, Vols. x., xi. and xv., 1826 and 1828.

Catalogue of a Collection of Plants made in Illinois and Missouri by C. A. Geyer. By George Engelmann, M. D. (C.)

In Amer. Journ. Sci. and Arts, i series, Vol. xlv., 1844.

A Catalogue of Illinois Plants. By I. A. Lapham.

8vo, pamphlet, pp. 60. 1857.

The Trees and Shrubs of Illinois. By Fred. Brendel, M. D. (D.)

In Trans. Ill. Agric. Soc., Vol. iii., 1858-1859.

Catalogue of the phænogamous and vascular cryptogamous Plants of Illinois, native and introduced. By H. N. Patterson. (B.)

8vo, pamphlet, pp. 54. Oquawka, 1876.

List of Illinois Lichens. By H. Willey. (B.)

In Botan. Gazette, Vol. ii. Logansport, 1877.

Lichens of Illinois. By E. Hall and J. Wolf.

In Bull. No. 2, Ill. State Lab. Nat. Hist., 1878.

Lichens of Southern Illinois. By H. Willey. (A.)

In Botan. Gazette, Vol. iii., Logansport, 1878.

Notes on the native Trees of the Lower Wabash and White River Valleys, in Illinois and Indiana. By Robert Ridgway. (C.)

In Proc. U. S. Nat. Museum, June 12, 1882.

*Cook County.*

Flora of Chicago and vicinity. By H. H. Babcock. (B.)

In the Lens, Vols. i. and ii., Chicago, 1872-1873.

*Henderson County.*

A List of Plants collected in the vicinity of Oquawka, Henderson County, Ills. By Harry N. Patterson. (A.)

8vo, pamphlet, pp. 18. Oquawka, 1874.

*Peoria County.*

Flora Peoriana: A Catalogue of Plants observed and collected in the vicinity of Peoria, Ill., 1852-1877. By Fred. Brendel. (A.)

In the Pharmacist, Vol. xv., Nos. 7 and 8, Chicago, 1882.

## MICHIGAN.

Catalogue of the phænogamous and filicoid Plants collected on the Geological Survey of Michigan. By John Wright, M. D. (A.)

In Legislat. Rep. No. 23. Detroit, 1859.

Catalogue of the Plants collected by Wm. A. Burt in the primitive Region south of Lake Superior, in 1846. By Dennis Cooley. (B.)

In Jackson's "Lake Superior." Washington, 1849.

Catalogue of phænogamous and acrogenous Plants found growing wild in the lower Peninsula of Michigan, and the Islands at the head of Lake Huron. By N. H. Winchell. (B.)

In 1st Bienn. Rep. Progr. Geol. Survey. Lansing, 1861.

Catalogue of the flowering Plants of the southern peninsula of Michigan, with a few of the Cryptogamia. By N. Coleman.

Publ. by Kent Scientif. Inst. Grand Rapids, 1873.

- Catalogue of Phænogamous and Acrogenous Plants found growing wild in Michigan. By Elmore Palmer, M. D. (A.)  
8vo, pamph., pp. 16. Dexter, 1877.
- Catalogue of the phænogamous and vascular cryptogamous Plants of Michigan, indigenous, naturalized and adventive. By C. F. Wheeler and E. F. Smith. (B.)  
8vo, pamph., pp. 105. Lansing, 1881.
- Washtenaw County.*  
Flora of Ann Arbor and vicinity. By Miss E. C. Almendinger.  
In Proc. Ann Arbor Scientif. Assoc. 1876.

## WISCONSIN.

- Trees of Wisconsin. By P. H. Hoy.  
Agric. Rep. 1852.
- Localities of Plants collected in the North-western Expeditions of 1831 and 1832. By Douglass Houghton, M. D. (B.)  
In Schoolcraft's "Narrative of an Expedition through the Upper Mississippi to Itasca Lake, the actual source of that River, in 1832.  
Appendix. (Some of the localities given are in Minnesota.)
- Plants of Wisconsin. By I. A. Lapham. (A.)  
In Trans. Wis. State Agric. Soc. 1852.  
(Additions by I. A. Lapham in Trans. Wis. State Agric. Soc. 1860.)
- Additions to the Flora of Wisconsin. By T. J. Hall.  
Pamphlet. 1860.
- Systematic Catalogue of the Plants of Wisconsin and Minnesota.\*  
By C. C. Parry, M. D. (C.)  
In Owen's Geol. Surv. Wisconsin, Iowa and Minnesota. Philadelphia, 1852.
- Catalogue of exogenous, endogenous and acrogenous Plants of Wisconsin. By G. D. Swezey. (A.)  
32mo, pamphlet. Beloit, 1877.
- Catalogue of the phænogamous and vascular cryptogamous Plants of Wisconsin. By Goodwin D. Swezey. (B.)  
In Geology of Wisconsin, Survey of 1873-1879, Vol. i.
- A partial List of the Fungi of Wisconsin, with Descriptions of new Species. By W. F. Bundy. (D.)  
In Geology of Wisconsin, Survey of 1873-1879, Vol. i.
- List of cryptogamous Plants from the region of Lake Superior. By Charles J. Sprague. (A.)  
In Proc. Bost. Soc. Nat. Hist., Vol. vi.
- Milwaukee County.*  
Catalogue of the Plants found in the vicinity of Milwaukee. By I. A. Lapham. (A.)  
24 mo, pamphlet, pp. 12, Milwaukee, 1836; and 24 mo, pamphlet, pp. 24, Milwaukee, 1838.

W. R. G.  
N. L. B.

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\* See BULLETIN x., 103.